



Docket No. 2119-4272 (BB-1264)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Cahoon et al

Group Art Unit: 1652

Serial No.: 09/857,524

Examiner: M. N. Rao

Filed: 06/04/2001

For: MEMBRANE-BOUND DESATURASES

**EXPRESS MAIL CERTIFICATE**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**AMENDMENT / RESPONSE TO FIRST OFFICE ACTION**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Official Action (Paper No. Non-Final Rejection) dated February 25, 2004, Applicant respectfully requests reconsideration in view of the following amendments and remarks.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.

**Appendix A** (3 pages) contains an alignment of the sequences of the invention with the cytochrome b5 and tripartite histidine motifs marked as indicated, following page 10 of this paper.

Please enter the following replacement paragraph in the specification-

**Page 1, Line 3:**

This application is a 371 of PCT/US99/28,589 filed December 2, 1999 which  
claims the benefit of U.S. Provisional Application No. 60/110,784 filed December 3, 1998.